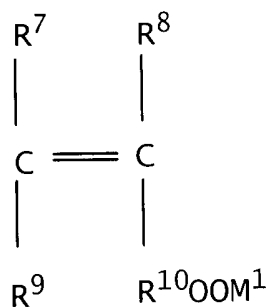


wherein R^1 , R^2 and R^3 are each independently hydrogen or methyl, provided that not all are methyl; R^4 is $-\text{CH}_2\text{O}-$, $-(\text{CH}_2)_2\text{O}-$, $-\text{C}(\text{CH}_3)_2\text{O}-$ or $-\text{O}-$; the total carbon number of R^1 , R^2 , R^3 and R^4 is 3; $R^5\text{O}$ is one or more species of C_2 - C_4 oxyalkylene groups, and, in the case of two or more species, may be block or random; R^6 is hydrogen or a C_1 - C_{22} alkyl, phenyl or C_1 - C_{18} alkylphenyl group; p is an integer from on average 1 to 100,

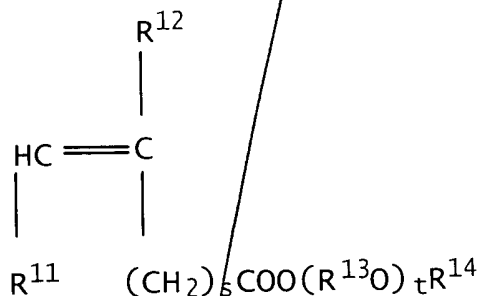
the monomer (B) is a compound according to general formula (2):



(2)

wherein R^7 and R^8 are each independently hydrogen or methyl; R^9 is hydrogen, methyl or $-(\text{CH}_2)_q\text{COOM}^2$; R^{10} is $-(\text{CH}_2)_r-$; q and r are each independently an integer from 0 to 2; M^1 and M^2 are a monovalent metal, a divalent metal, ammonium or an organic amine;

the monomer (C) is a compound according to general formula (3):

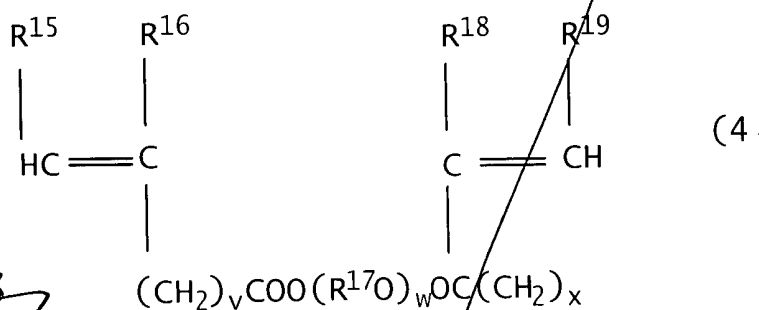


(3)

wherein R^{11} and R^{12} are each independently hydrogen, methyl or $(\text{CH}_2)_u\text{COOM}^3$, u is an integer from 0 to 2, M^3 is a monovalent metal, a divalent metal, ammonium or an organic amine; $R^{13}\text{O}$ is

112 one or more species of C₂-C₄ oxyalkylene groups, and, in the case of two or more species, may be block or random; R¹⁴ is a C₁-C₂₂ hydrogen or an alkyl, phenyl or C₁-C₂₂ alkylphenyl group; s is an integer from 0 to 2; t is an integer an average from 1 to 300; and

the monomer (D) is a compound according to the following general formula (4):



112 wherein R¹⁵, R¹⁶, R¹⁸ and R¹⁹ are each independently hydrogen or methyl, provided that not all are methyl; R¹⁷O is one or more species of C₂-C₄ oxyalkylene groups, and, in the case of two or more species, may be block or random; w is an integer an average from 1 to 300; v and x are each independently an integer from 0 to 2.

4.(Amended) A cement additive according to claim 1 wherein the composition ratios of the monomers (A) and (B) in the polycarboxylic acid type copolymer are 30-100 mole % based on the total mole amount of their monomers, and the average molecular weight of said polycarboxylic acid type copolymer is from 3,000 to 100,000.

5.(Amended) A cement additive according to claim 1, wherein the average molecular weight of the polyalkylene glycol derivative is from 1,000 to 100,000, and in which the alkylene is one or more C₂-C₄ species, and the terminal group of the polyalkylene glycol is hydrogen, a C₁-C₁₈ alkyl group or a phenyl group.

6.(Amended) A cement additive according claim 1, containing 100 weight parts of the

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polycarboxylic acid type copolymer and 10-50 weight parts of the polyalkylene glycol derivative in the mixing proportion.

A1
END
7.(Amended) A cement additive according to claim 1, wherein the amount used in a cementitious composition is such that the amount of polycarboxylic acid type copolymer to cement is 0.05-1.0 % by weight based on the weight of cement, and the amount of the polyalkylene glycol derivative to cement is 0.005-0.5 % by weight based on the weight of cement. 112

SUB
13
8.(Amended) A high strength concrete mix, comprising a cement additive according to claim 1.

9. (Amended) A concrete mix for the production of articles by steam curing, comprising a cement additive according to claim 1.

A2
11. (Amended) A method of preparation of a high-strength concrete mix, comprising the incorporation in the mix of a cement additive according to claim 1.

Please add new claims 12 - 17.

12. A high strength concrete mix, comprising a cement additive according to claim 2.

A3
13. A high strength concrete mix, comprising a cement additive according to claim 3.

14. A concrete mix for the production of articles by steam curing, comprising a cement additive according to claim 2.

15. A concrete mix for the production of articles by steam curing, comprising a cement additive according to claim 3.

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16. A method of preparation of a high-strength concrete mix, comprising the incorporation in the mix of a cement additive according to claim 2.

17. A method of preparation of a high-strength concrete mix, comprising the incorporation in the mix of a cement additive according to claim 3.

[illegible]